IEEE P802.11  
Wireless LANs

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| July 2013 TGah Minutes | | | | |
| Date: 2013-07-19 | | | | |
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Abstract

This document contains the meeting minutes from the 802.11 TGah meeting, July, 2013.

**July 15, 2013 (Monday) PM2 15:00 – 18:00**

**Notes – Monday, July 15th, 2013; with 30+ attendees**

**Secretary for this session – Yuan Zhou (Institute for Infocomm Research)**

1. **Dave Halasz (Qualcomm) is the chair of 802.11 TGah.**

**Dave Halasz was running this session. Chair called meeting to order at 3:07 PM, local time.**

1. **The proposed agenda (doc 11-13/674r1) for this session was reviewed.**
   1. Chair presented the proposed agenda (13/674r1) which has the submissions that are going to be presented.
   2. Minho and Simone will lead PHY and MAC sessions.
   3. Chair asked if there are any discussions on the agenda. Simone thinks more MAC sessions may be needed. Minho thinks 2 sessions for PHY is enough. Chair mentions that he will update the agenda tonight.
   4. Chair asks if there is any objection to the agenda. **Hearing none**. The agenda is adopted.
2. **Administrative items**
   1. Chair reviewed the administrative items and presented the links for accessing the related documents.
   2. Chair reviewed the patent policy and meeting guideline slides. Chair went through the Call for Potentially Essential Patents slide and Chair asked: “Anybody wants to speak up now?” **None were heard**.
   3. Chair reviewed other guidelines of the IEEE WG meetings.
3. **Approval of previous meeting minutes**
   1. Motion to approve the May meeting minutes (13/622r1), the June 19th teleconference minutes (13/707), the July 10th teleconference minutes (13/763).
      1. Moved by: Haiguang Seconded by: Yongho
      2. Discussions on the motion:

Ron: Participant list is missing in the conference calls. The minutes will be updated.

* + 1. **Motion POSTPONED.**

1. **Operation Manual**
   1. Chair went through the operation manual, highlighting the 4-hour rule on uploading of contributions.
   2. The 4-hour rule does not apply if the motion can be verbalized.
   3. Chair asks if there are any questions. Hearing none.
2. **Comments Review** 
   1. Chair went through the status of comment collection and assignment (13/701)
3. **MAC Ad-hoc (Chair: Simone)**
   1. **Agenda and operating rules: 0797r1**
      1. Chair asks if there is any objection to the agenda. Hearing none.
      2. Chair asks if there is any objection to the operation rules. Hearing none.
   2. Some new contributions were added (Chitto-Nokia, Ron –InterDigital, Jeongki - LG),
      1. Agenda was updated to 0797r2. Chair asks if there is any other addition. Hearing none.
      2. Chair suggests 15 min per discussion.
      3. Chair asks if there are any other submissions not related to comment resolution.

Alfred: can we add now or later? Chair: you can also add later.

* 1. Chair asks if there is any further comment on the agenda: Hearing none.
  2. **CC9 Clause 10.1.4.3.4 and 8.3.4a.2.1 Comment Resolution (11-13/769r0 Yongho (LGE))**
     1. Addresses CID 763, 921, 902, 105, 901.
     2. Discussions: none.
  3. **CC9 Clause 10.43b and 8.4.2.170d Comment Resolution (11-13/770r0 Yongho (LGE))**
     1. Addresses CID 76, 92, 243, 409, 61.
     2. Discussions: none.
  4. **CC9 Clause 9.3.2.8 Comment Resolution (11-13/771r0 Yongho (LGE))**
     1. Addresses CID 665, 663, 664.
     2. Discussions: none.
  5. **CC9 Clause 9.3.6 and 9.32n Comment Resolution (11-13/772r0 Yongho (LGE))**
     1. Addresses CID 701, 703, 704, 865, 515, 881, 255.
     2. Discussions: Some text changes were proposed by Simone. The updated document is 11-13/772r1.
  6. **CC9 Clause 9.7.6.6 and 9.19.2.4 Comment Resolution (11-13/773r0 Yongho (LGE))**
     1. Addresses CID 248, 306, 883, 75, 247, 882, 884.
     2. Discussions: Some text changes were proposed by Simone. The updated document is 11-13/773r1.
  7. **CC9 Clause 9.17b Comment Resolution (11-13/774r0 Yongho (LGE))**
     1. Addresses: CID 414, 965, 964, 269, 907, 77, 120, 833, 78.
     2. Discussions**:** there were some discussions on partial AID for sounding PPDU. The updated document is 11-13/774r1.
  8. **CC9 Clause 9.19.2.7 Comment Resolution (11-13/775r0 Yongho (LGE))**
     1. Addresses CID 909, 910, 121, 307.
     2. Discussions: none.
  9. **CC9 Clause 9.19.4a.1 Comment Resolution (11-13/776r0 Yongho (LGE))**
     1. Addresses CID 593, 594, 854, 908, 911, 249, 165, 122, 46, 853.
     2. Discussions: There were some discussions on the beacon format in 802.11ah. The updated document is 11-13/776r1.
     3. Chair suggests we run pre-motion for the above comment resolutions.
  10. **Pre-motion:** 
      1. **Do you agree with the resolution of the following CIDs:**

**11-13-0769-00-00ah-CC9-clause-10-1-4-3-4-and-8-3-4a-2-1-comment-resolution**

**CIDs: 763, 921, 902, 105, 901**

**11-13-0770-00-00ah-CC9-clause-10-43b-and-8-4-2-170d-comment-resolution**

**CIDs: 76, 92, 243, 409, 61**

**11-13-0771-00-00ah-CC9-cluase-9-3-2-8-comment-resolution**

**CIDs: 665, 663, 664**

**11-13-0772-01-00ah-CC9-cluase-9-3-6-and-9-32n-comment-resolution**

**CIDs: 701, 703, 704, 865, 515, 881, 255**

**11-13-0773-01-00ah-CC9-cluase-9-7-6-6-and-9-19-2-4-comment-resolution**

**CIDs: 248, 306, 883, 75, 247, 882, 884**

**11-13-0774-01-00ah-CC9-cluase-9-17b-comment-resolution**

**CIDs: 414, 965, 964, 269, 907, 77, 120,78, (833 deferred)**

**11-13-0775-00-00ah-CC9-cluase-9-19-2-7-comment-resolution**

**CIDs: 909, 910, 121, 307 (no comments)**

**11-13-0776-01-00ah-CC9-cluase-9-19-4a-1-comment-resolution**

**CIDs: 593, 594, 854, 908, 911, 249, 165, 122, 46, 853**

* + 1. **Discussions: none**
    2. **Pre-motion PASSES by unanimous consent.**
  1. **CC9 Clause 9.19.4a.2 Comment Resolution (11-13/777r0 Yongho (LGE))**
     1. Addresses CID 596, 48, 602, 309, 49, 215, 309, 595, 855.
     2. Discussions: There were some editorial changes. The updated document is 11-13/777r1.

1. **As we are out of time, chair calls for recess of the session until Tue PM2.**

**July 16, 2013 (Tuesday) PM2 16:00 – 18:00  
Notes – Tuesday, July 16th, 2013; with 30+ attendees**

1. **Dave Halasz (Qualcomm) is the chair of 802.11 TGah.**

**Dave Halasz was running this session. Chair called meeting to order at 4:02 PM, local time.**

1. **Approval of previous meeting minutes**
   1. **Motion to approve the May meeting minutes (13/622r1), the June 19th teleconference minutes (13/707r1), the July 10th teleconference minutes (13/763r1).**
      1. **Moved by: Haiguang Seconded by: Minho**
      2. **Discussions on the motion: none.**
      3. **Motion PASSES.**
2. **Chair mentions that additional slots may be allocated and announced.**
3. **PHY Ad-hoc (Chair: Minho)**
   1. **Agenda and operating rules: 11/13-0842r2**
      1. Chair reviewed operating rules for the ad-hoc session.
      2. Chair reviewed agenda for the session.
      3. Chair asked if there are any new submissions. Hearing none.
   2. **Proposed resolutions for P802.11ah D0.1 CC9 (11/13-0668 Mitsuru (Yokogawa Industry) )**
      1. Addresses CIDs 555, 570, and 576.
      2. Discussions: Bo mentioned that we do not have TVHT currently, and wonders what the baseline is referred to. Mitsuru will remove TVHT related text changes. Mitsuru will handle CID 555 and 576 with Minyoung offline.
      3. **Pre motion on resolution for CID 570:**
      4. **Pre-motion PASSES by unanimous consent.**
   3. **d01 PHY comment resolutions (13/0715r0 Hongyuan Zhang (Marvell))**
      1. Addresses CIDs 33, 281, 282, 548, 718, 719, 720, 136, 137, 138, 139, 140, 237, 724, 296, 297, 238, 726, 190, 300, 301, 211, 203, 204, 925, 727.
      2. Discussions: Ron suggests listing all CIDs in the front. CID 846 is withdrawn by Ron. CID 622 is passed to the Editor. Yongho suggests changing ‘counter’ to ‘revise’ in the proposed resolution. The updated document is 13/0715r1. CID 33 is deferred and is assigned to Alfred.
      3. **Pre motion on resolution for CIDs 281, 282, 548, 718, 719, 720, 136, 137, 138, 139, 140, 237, 724, 296, 297, 238, 726, 190, 300, 301, 211, 203, 204, 925, 727:**

**Pre-motion PASSES by unanimous consent.**

* 1. **Draft0.1 comment res. for 24.3.8 (13/0766r0 Eugene Baik (Qualcomm))**
     1. Addresses CIDs 145, 270, 271, 272, 273, 298, 299, 872, 873, 880.
     2. Discussions: Unresolved or tentatively rejected CIDs should be removed. The updated document is 13/0766r1.
     3. **Pre motion on resolution for CIDs 145, 270, 271, 272, 273, 298, 299, 880:**

**Pre-motion PASSES by unanimous consent.**

* 1. **Draft0.1 comment res. for 24.3.17 (13/0767r0 Eugene Baik (Qualcomm))**
     1. Addresses CIDs 302, 801, 802, 803, 804, 805, 806, 566.
     2. Discussions: Mitsuru mentions that time of departure test is introduced in 11v.

Status of CID 566 is changed to unresolved. The updated document is (13/0767r1).

* + 1. **Pre motion on resolution for CIDs 302, 801, 802, 803, 804, 805, 806.**

**Pre-motion PASSES by unanimous consent.**

* 1. **CC9-PHY-comment-resolutions-24.4-CID549+871 (13/0826r0 Bo Sun (ZTE))**
     1. Addresses CIDs 549, 729, 871. CID 729 is deferred.
     2. Discussions: none.
     3. **Pre motion on resolution for CIDs 549, 871.**

**Pre-motion PASSES by unanimous consent.**

* 1. **CC9 Comment resolution for CIDs 203, 211, 622, 925 (Ron Murias (InterDigital))**
     1. The document is withdrawn.
  2. **Chair asked if there is any potential PHY submission this week**
     1. Bo mentioned that he may have one.
  3. **Chair calls for recess of the PHY session.**

1. **MAC Ad-hoc (Chair: Simone)**
   1. **Chair reviewed the MAC agenda.**
   2. **CC9 Clause 9.19.4a.2 Comment Resolution (11-13/777r0 Yongho (LGE))**
      1. Addresses CIDs: 596, 48, 602, 309, 49, 215, 309, 595, 855.
      2. Discussions: There were some editorial changes. The updated document is 11-13/777r1.
   3. **CC9 Clause 9.19.4a.5 Comment Resolution (11-13/778r0 Yongho (LGE))**
      1. Addresses CIDs: 599, 310, 311, 367.
      2. Discussions: None
   4. **CC9 EDCA Channel Access Comment Resolution (11-13/779r0 Yongho (LGE))**
      1. Addresses CIDs: 866, 863.
      2. Discussions: There were some editorial changes. The updated document is 11-13/779r1.
   5. **CC9 Miscellaneous Comment Resolution (11-13/780r0 Yongho (LGE))**
      1. Addresses CIDs: 344, 401, 773, 774, 877, 870.
      2. Discussions: There was one question on the timer accuracy.
   6. **Pre-motion:** 
      1. **Do you agree with the resolution of the following CIDs:** 
         1. **11-13-0777-01-00ah-CC9-cluase-9-19-4a-2-comment-resolution** 
            1. **596, 48, 602, 309, 49, 215, 309, 595, 855**
         2. **11-13-0778-00-00ah-CC9-cluase-9-19-4a-5-comment-resolution**
            1. **599, 310, 311, 367**
         3. **11-13-0779-01-00ah-CC9-EDCA-channel-access-comment-resolution** 
            1. **866, 863**
         4. **11-13-0780-00-00ah-CC9-miscellaneous-comment-resolution**
            1. **344, 401, 773, 774, 877, 870**
      2. **Pre-motion passes by unanimous consent.**
   7. **Chair calls for recess of the session until Wed AM1.**

**July 17, 2013 (Wednesday) AM1 08:00 – 10:00  
Notes – Wednesday, July 17th, 2013; with 30+ attendees**

1. **Dave Halasz (Qualcomm) is the chair of 802.11 TGah.**

**Dave Halasz was running this session. Chair called meeting to order at 8:10 AM, local time.**

1. **Chair mentioned that additional slots may be approved later in AM2.**
2. **Chair updated agenda (r4).**
3. **Motion: Move to adopt the Comment Resolutions in 11-13/0886r0 with the following tabs:**

**Submission 13-826**

**Submission 13-767**

**Submission 13-746**

**Submission 13-715**

**Submission 13-668**

* 1. **Move: Minyoung Park Seconded: Simone**
  2. **Discussions: There were some requests to update the comment resolution spreadsheet.**
  3. **Motion POSTPONED.**

1. **Motion: Move to adopt the Comment Resolutions in 11-13/0892r0 with the following tabs:**

**Submission 13-780**

**Submission 13-779**

**Submission 13-778**

**Submission 13-777**

**Submission 13-776**

**Submission 13-775**

**Submission 13-774 except for CID 833**

**Submission 13-773**

**Submission 13-772**

**Submission 13-771**

**Submission 13-770**

**Submission 13-769**

* 1. **Move: Yongho Seconded: Simone**
  2. **Discussions: NONE**
  3. **Motion PASSES by unanimous consent.**

1. **MAC Ad-hoc (Chair: Simone)**
   1. **Chair reviewed the MAC agenda.**
   2. **CC9 Clause 9.17b Comment Resolution (11-13/774r3 Yongho (LGE))**
      1. Addresses: CID 833.
      2. Discussions**:** there was some clarification on partial AID.
   3. **CC9 Probe Response Bandwidth Selection Comment Resolution (11-13/781r0 Yongho (LGE))**
      1. Addresses CID 868
      2. Discussions: none.
   4. **CC9 SST Sounding Comment Resolution (11-13/782r0 Yongho (LGE))**
      1. Addresses CID 867.
      2. Discussions: none.
   5. **Pre-motion:** 
      1. **Do you agree with the resolution of the following CIDs:**

**CID 833 in 11-13-0774-03-00ah-CC9-cluase-9-17b-comment-resolutio**

**11-13-0781-00-00ah-CC9-probe-resp-bandwidth-selection-comment-resolution**

**CID 868**

**11-13-0782-00-00ah-CC9-SST-sounding-comment-resolution**

**CID 867**

* + 1. **Pre-motion PASSES by unanimous consent.**
  1. **Comment resolutions on subclause 9.32h (11-13/783r0 Park Minyoung (Intel))**
     1. Addresses CIDs 58, 107, 916, 917
     2. Discussions: there was some discussion on CID 916.
  2. **Comment resolution on subclause 9.19.4a.3 (11-13/0784r0 Park Minyoung (Intel))**
     1. Addresses CIDs 123, 366, 966, 967
     2. Discussions: The document is updated in 11-13/784r1.
  3. **Comment resolution on subclause 10.3.7 (11-13/0785r0 Park Minyoung (Intel))**
     1. Addresses CIDs 186, 482
     2. Discussions: There was some clarification on authentication control. The document is updated in 11-13/785r1.
  4. **Pre-motion:** 
     1. **Do you agree with the resolution of the following CIDs:**

**11-13-0783-00-00ah**

**CIDs 58, 107, 916, 917**

**11-13-0784-01-00ah**

**CIDs 123, 366, 966, 967**

**11-13-0785-01-00ah**

**CID 186, 482**

* + 1. **Pre-motion PASSES by unanimous consent.**
  1. **Chair calls for recess of the session until Wed PM1.**

**July 17, 2013 (Wednesday) PM1 13:30 – 15:00  
Notes – Wednesday, July 17th, 2013; with 50+ attendees**

1. **Dave Halasz (Qualcomm) is the chair of 802.11 TGah.**

**Dave Halasz was running this session. Chair called meeting to order at 13:37 PM, local time.**

1. Chair asked if there is any objection to discuss additional meeting slots. Hearing none.
   1. Two slots are added (Wed PM2 and Thur AM1).
2. **Motion: Move to adopt the Comment Resolutions in 11-13/0886r1 with the following tabs:**

**Submission 13-826**

**Submission 13-767**

**Submission 13-766**

**Submission 13-715**

**Submission 13-668**

* 1. **Move: Yongho Seconded: Hongyuan**
  2. **Discussions: None.**
  3. **Motion PASSES by unanimous consent.**

1. **MAC Ad-hoc (Chair: Simone)**
   1. The agenda was reviewed and updated.
   2. **MIMO Control Field comment resolutions (11-13/716r0 Hongyuan (Marvell))**
      1. Addresses CIDs 106, 359, 830.
      2. Discussions: none.
   3. **Pre-motion:** 
      1. **Do you agree with the resolution of the following CIDs:**

**11-13-0716-00-00ah-d01-MIMO-Control-Field-comment-resolutions**

**CIDs 106, 359, 830**

* + 1. **Pre-motion PASSES by unanimous consent.**
  1. **cc09 comment resolution for clause 8.3.4a.1.2 (11-13/808r0 Younghoon (Huawei))**
     1. Addresses CIDs: 104, 223, 899
     2. Discussions: none.
  2. **cc09 comment resolution for clause 9.19.4a.6 (11-13/809r0 Younghoon (Huawei))**
     1. Addressing CIDs: 52, 557, 788
     2. Discussions: none.
  3. **cc09 comment resolution for clause 9.32n.3.2 (11-13/810r0 Younghoon (Huawei))**
     1. Addressing CIDs: 513, 514, 714, 715
     2. Discussions: none.
  4. **cc09 comment resolution for CID 520 (11-13/811r1 Younghoon (Huawei))**
     1. Addressing CID: 520
     2. Discussions: none.
  5. **Pre-motion:** 
     1. **Do you agree with the resolution of the following CIDs:**

**Doc. Number: 808 r0**

**Addressing CIDs: 104, 223, 899 (MAC)**

**Doc. Number: 809 r0**

**Addressing CIDs: 52, 557, 788 (MAC)**

**Doc. Number: 810 r0**

**Addressing CIDs: 513, 514, 714, 715 (MAC)**

**Doc. Number: 811 r1**

**Addressing CID: 520 (MAC)**

* + 1. **Pre-motion PASSES by unanimous consent.**
  1. **CC9 Comments Resolution CIDs 546+906 (11-13/0827r2 Haiguang Wang (I2R))**
     1. Addressing CIDs 546, 906.
     2. Discussions: none.
  2. **CC9 Comments Resolution CIDs 176+177+178+179+180+181+776 (11-13/0830r2 Haiguang Wang (I2R))**
     1. Addressing CIDs 176, 177, 178, 179, 180, 181, 776
     2. Discussions: The document was updated to 11-13/0830r3.
  3. **CC9-Comments-Resolution-CIDs-887 (11-13/0831r1 Haiguang Wang (I2R))**
     1. Addressing CID 887.
     2. Discussions: none.
  4. **Pre-motion:**

**23.12.1. Do you agree with the resolution of the following CIDs:**

**IEEE-802.11-13/0827r2 CC9-Comments-Resolution-CIDs-546+906**

**CIDs 546, 906**

**IEEE-802.11-13/0830r3 CC9-Comments-Resolution-CIDs-176+177+178+179+180+181+776**

**CIDs 176, 177, 178, 179, 180, 181, 776**

**IEEE-802.11-13/0831r1 CC9-Comments-Resolution-CIDs-887**

**CIDs 887**

**23.12.2. Motion PASSES by unanimous consent.**

* 1. **CC9 Resolution CIDs 8+10+17+19+321+581 (11-13/0812r0 Alfred (Qualcomm))**
     1. Addressing CIDs 8,10,17,19,321,581
     2. Discussions: the document is updated to 11-13/0812r1.
  2. **CC9 Resolution CIDs 20+111+336+625+814 (11-13/817r0 Alfred (Qualcomm))**
     1. Addressing CIDs 20,111,336,625,814
     2. Discussions: the document is updated to 11-13/0817r1.
  3. **CC9 Resolution CIDs 14+253+484+485+486 (11-13/814r1 Alfred (Qualcomm))**
     1. Addressing CIDs 14, 253, 484, 485, 486.
     2. Discussions: none.
  4. **CC9 Resolution CIDs 15+59+168 (11-13/815r1 Alfred (Qualcomm))** 
     1. Addressing CIDs 15, 59, 168.
     2. Discussions: none.
  5. **CC9 Resolution CIDs 18+119+360+532+533+660+661+662+869 (11-13/816r1 Alfred (Qualcomm))**
     1. Addressing CIDs 18,119,360,532,533,660,661,662,869
     2. Discussions: none.
  6. **CC9 Resolution CIDs 23+275+276+277+278 (11-13/818r1 Alfred (Qualcomm))**
     1. Addressing CIDs 23, 275, 276, 277, 278.
     2. Discussions: none.
  7. **CC9 Resolution CIDs 32+54+187+188+240+417+543+821 (11-13/820r1 Alfred (Qualcomm))**
     1. Addressing CIDs 32, 54, 187, 188, 240, 417, 543, 821.
     2. Discussions: none.
  8. **Chair calls for recess of the session until Wed PM2.**

**July 17, 2013 (Wednesday) PM2 16:00 – 18:00  
Notes – Wednesday, July 17th, 2013; with 20+ attendees**

1. **Simone (Qualcomm) is the chair of 802.11 TGah MAC ad-hoc.**

**Simone was running this session. Chair called meeting to order at 4:05 PM, local time.**

1. **MAC Ad-hoc (Chair: Simone)**
   1. The agenda was reviewed and updated.
   2. **CC9 Resolution CIDs 254+303+304+305+324+363+364+745+841+961+962+985 (11-13/821r1 Alfred (Qualcomm))**
      1. Addressing CIDs: 254, 303, 304, 305, 324, 363, 364, 745, 841, 961, 962, 985
      2. Discussions: there was some discussion on RID counter update and ACK indication. CID 304 is deferred. The document is updated to 11-13/821r2.
   3. **CC9 Resolution CIDs 746+747+748+924 (11-13/822r3 Alfred (Qualcomm))**
      1. Addressing CIDs 746, 747, 748, 924.
      2. Discussions: none.
   4. **CC9 Resolution CIDs 74+562+914+915 (11-13/823r1 Alfred (Qualcomm))**
      1. Addressing CIDs 74, 562, 914, 915.
      2. Discussions: none.
   5. **Alfred requested to adjust the agenda and present ACK policy first.**
      1. No objection heard.
   6. **Ack Policy for Short MAC Header (11-13/0899r0 Alfred (Qualcomm))**
      1. Straw poll was skipped.
   7. **ACK Policy for Short frames (11-13/0898r0 Alfred (Qualcomm))**
      1. This document provides draft normative text for Ack Policy in short frames.
      2. Discussions: none.
   8. **CC9 Resolution CIDs 12+560+561+563 (11-13/824r1 Alfred (Qualcomm))**
      1. Addressing CIDs 12, 560, 561, 563
      2. Discussions: none.
   9. **CC9 Resolution CIDs 27 (11-13/825r1 Alfred (Qualcomm))**
      1. Addressing CID 27.
      2. Discussions: none.
   10. **Pre-motion:** 
       1. **Do you agree with the resolution of the CIDs in the following documents:**

**11-13-0812-01-00ah-CC9-Resolution-CIDs-8+10+17+19+321+581**

**11-13-0814-01-00ah-CC9-Resolution-CIDs-14+253+484+485+486**

**11-13-0815-01-00ah-CC9-Resolution-CIDs-15+59+168**

**11-13-0816-01-00ah-CC9-Resolution-CIDs-18+119+360+532+533+660+661+662+869**

**11-13-0817-01-00ah-CC9-Resolution-CIDs-20+111+336+625+814**

**11-13-0818-01-00ah-CC9-Resolution-CIDs-23+275+276+277+278**

**11-13-0820-01-00ah-CC9-Resolution-CIDs-32+54+187+188+240+417+543+821**

**CIDs 187, 188 transferred from the Editor to Alfred**

**11-13-0821-01-00ah-CC9-Resolution-CIDs-254+303+304+305+324+363+364+745+841+961+962+985**

**CID 363 transferred from Editor to Alfred**

**304 deferred**

**11-13-0822-03-00ah-CC9-Resolution-CIDs-746+747+748+924**

**11-13-0823-01-00ah-CC9-Resolution-CIDs-74+562+914+915**

**11-13-0824-01-00ah-CC9-Resolution-CIDs-12+560+561+563**

**11-13-0825-01-00ah-CC9-Resolution-CIDs-27**

**25.10.2. Pre-motion PASSES by unanimous consent.**

* 1. **CC9 Comment Resolutions for CID 395,396,399,400,524,525,529,547,624 (11/13-0793 Mitsuru)**
     1. Addressing CID 395, 396, 399, 400, 524, 525, 529, 547, 624
     2. Pre-motion deferred.
  2. **Chair calls for recess of the session.**

**July 18, 2013 (Thursday) AM1 08:00 – 10:00  
Notes – Wednesday, July 18th, 2013; with 30+ attendees**

1. **Minho (ETRI) is the chair of 802.11 TGah PHY Ad-hoc.**

**Minho was running this session. Chair called meeting to order at 8:03 AM, local time.**

1. **PHY Ad-hoc (Chair: Minho)**
   1. **TGah D0.1 Comment Resolutions on PHY (11/13-0901r0 Hongyuan Zhang (Marvell))**
      1. Addresses CIDs 141.
      2. Discussions: none.
      3. **Pre motion on resolution for CID 141:**

**Pre-motion PASSES by unanimous consent.**

* 1. **TGah D0.1 Comment Collections 9 Resolutions on 24.3.8 Sections (11/13-766r2 Eugene (Qualcomm))**
     1. Addresses CIDs 872, 873.
     2. Discussions: none.
     3. **Pre motion on resolution for CIDs 872, 873:**

**Pre-motion PASSES by unanimous consent.**

* 1. **TGah D0.1 Comment Resolutions on PHY (11/13-881r0 Bo Sun (ZTE))**
     1. Addresses CIDs 568, 729.
     2. Discussions: Matthew (Broadcom) wonders why we reject the comments now. Matthew objects rejecting the comment now.
     3. **Resolution for CID 568, 729 is deferred for further discussion.**
  2. **TGah D0.1 Comment Resolutions on 24.3.19 and 24.3.20 (11/13-905r1 Shahrnaz** **(Intel))**
     1. CIDs addressed: 732, 733, 734, 728, 735, 736, 737, 738, 739, 740, 741, 742, 743
     2. Discussions: Minyoung suggests to specify the CIDs in accordance with text changes. The document is updated to 11/13-905r2.
     3. **Pre motion on resolution for CID** 732, 733, 734, 728, 735, 736, 737, 738, 739, 740, 741, 742, 743**:**

**Pre-motion PASSES by unanimous consent.**

* 1. **CC9 Clarification regarding CID800 (11/13-912r0 Shusaku (Schubiquist Technologies Guild))**
     1. Clarifies the partial TSF timer accuracy.
     2. Addresses CID 800.
     3. Discussions: none.
     4. As the resolution for CID 800 has not been uploaded, the pre-motion will be done in task group session later today.
  2. **Chair asked if there is any more PHY comment resolutions. Hearing none.**
  3. **PHY ad-hoc session adjourned.**

1. **MAC Ad-hoc (Chair: Simone)**
   1. **CC9-Comments-Resolution-CID-927 (11/13-0832r2 Yuan Zhou (I2R))**
      1. Addressing CIDs 927, 267.
      2. **Pre motion on resolution for CID** 927, 267**:**

**Pre-motion PASSES by unanimous consent.**

* 1. **CC9-Comments-Resolution-CIDs-85+460+928 (11/13-0833 Yuan Zhou (I2R))**
     1. Addressing CIDs 85, 460, 928.
     2. Discussions: there were some discussions on calculation of page segment length. Chair suggested to carry the discussion offline.
     3. **Pre-motion is deferred.**
  2. **CC9-Comments-Resolution-CIDs-473+474 (11/13-0834 Yuan Zhou (I2R))**
     1. Addressing CIDs 473, 474.
     2. Pre-motion withdrawn, as it is merged with 11/13-0813r1.
  3. **cc09-comment-resolution-for-clause-8-4-2-170b (11/13-0813r1 Chittabrata (Nokia))**
     1. Addressing CIDs42, 43, 44, 157, 158, 159, 225, 226, 227, 228, 229, 230, 231, 373, 465, 466, 467, 468, 469, 470, 472, 473, 474, 475, 477, 478, 479, 480, 481, 556, 789, 790, 847, 848, 904, 905.
     2. Discussions: the document is updated to 11/13-0813r3.
     3. The document will continue to be discussed in next session.
  4. **Chair calls for recess until Thursday AM2.**

**July 18, 2013 (Thursday) AM2 10:30 – 12:30  
Notes – Wednesday, July 18th, 2013; with 20+ attendees**

1. **Simone (Qualcomm) is the chair of 802.11 TGah MAC Ad-hoc.**

**Simone was running this session. Chair called meeting to order at 10:33 AM, local time.**

* 1. **cc09-comment-resolution-for-clause-8-4-2-170b (11/13-0813r1 Chittabrata (Nokia))**
     1. Addressing CIDs42, 43, 44, 157, 158, 159, 225, 226, 227, 228, 229, 230, 231, 373, 465, 466, 467, 468, 469, 470, 472, 473, 474, 475, 477, 478, 479, 480, 481, 789, 790, 847, 848, 904, 905.
     2. Continued from AM1 presentation.
     3. Discussions: The document is updated to 11/13-0813r3. Minyoung raised a question on the description in Table 8-191a and proposed to defer CID 478.
     4. **Pre-motion:**

**Do you agree with the resolution of the CIDs in the following documents:**

**11-13-0813-03-00ah-cc09-comment-resolution-for-clause-8-4-2-170b.docs**

**42, 43, 44, 157, 158, 159, 225, 226, 227, 228, 229, 230, 231, 373, 465, 466, 467, 468, 469, 470, 472, 473, 474, 475, 477, 479, 480, 481, 789, 790, 847, 848, 904, 905**

**(478 Deferred on Minyoung’s request.)**

* + 1. **Pre-motion PASSES by unanimous consent.**
  1. **CC9 Comment Resolution for CIDs 98, 618, 619, 897, 929 (11/13-0848r0 Ron Murias (InterDigital))**
     1. Addressing CIDs 98, 618, 619, 897, 929
     2. Discussions: the document is updated to 11/13-0848r1.
     3. **Pre-motion**

**Do you agree with the resolution of the CIDs in the following document:**

**11/13-848r1, CIDs 98, 618, 619, 897, 929**

* + 1. **Pre-motion PASSES by unanimous consent.**
  1. CC9 Comment resolution for CID 224 **(11/13-0838r0 Jinsoo (LGE))**
     1. Addressing CIDs 224.
     2. Discussions: Simone asked how first RAW Assignment is defined. The document is updated ro 11/13-0838r1. Amin asked to defer the pre-motion and volunteered to work on the resolution.
     3. **Pre-motion for CID 224 is deferred.**
  2. CC09 Comment resolution for CID 143, 144, 245 **(11/13-0839r0 Jinsoo (LGE))**
     1. Addressing CIDs 143, 144, 245.
     2. Discussions: none.
     3. **Pre-motion:**

**Do you agree with the resolutions for CID 143, 144, 245 in 11/13-0839r0?**

* + 1. **Pre-motion PASSES by unanimous consent.**
  1. **Comment resolution on CC09 (subclase 8.3.4.15b) (11/13-0851r0 Jinsoo (LGE))**
     1. Addressing CIDs 149, 246, 404.
     2. Discussions: Alfred asked if the document only applies to MU-MIMO case.
     3. **Pre-motion:**

**Do you agree with the resolutions for CID 149, 246, 404 in 11/13-0851r0?**

* + 1. **Pre-motion PASSES by unanimous consent.**
  1. **Comment resolution on CC09 (subclause 8.4.1.6) (11/13-0857r0 Jinsoo (LGE))**
     1. Addressing CIDs 80, 405, 406, 959.
     2. Discussions: Younghoon asked to clarify the last sentence. The document is updated in 11/13-0857r1.
     3. **Pre-motion:**

**Do you agree with the resolutions for CID 80, 405, 406, 959 in 11/13-0857r1?**

* + 1. **Pre-motion PASSES by unanimous consent.**
  1. **CC9 Comment Resolutions for CID 395,396,399,400,524,525,529,547,624 (11/13-0793r1 Mitsuru)**
     1. Addressing CIDs 395, 396, 399, 400, 524, 525, 529, 547, 624. Continued from yesterday’s presentation.
     2. Discussions: the document is updated 11/13-0793r2.
     3. **Pre-motion:**

**Do you agree with the resolutions for CIDs 395, 396, 399, 400, 524, 525, 529, 547, 624 in 11/13-0793r2?**

* + 1. **Pre-motion PASSES by unanimous consent.**
  1. **Comment Collection 09 MAC CIDs (Comment Resolutions for CC09) (11/13-0888r2 Haiguang Wang (I2R))**
     1. Addressing CIDs 257, 258, 988
     2. Discussions: Alfred asked about ‘other information’.
     3. **Pre-motion is deferred.**
  2. **Chair asked for recess of the session until Thursday PM1.**

**July 18, 2013 (Thursday) PM1 13:30 – 15:30  
Notes – Thursday, July 18th, 2013; with 20+ attendees**

1. **Dave Halasz (Qualcomm) is the chair of 802.11 TGah MAC Ad-hoc.**

**Dave was running this session. Chair called meeting to order at 1:38 PM, local time.**

* 1. Chair reviewed the agenda (674r5) first.
     1. Chair asked if there is any objection to the agenda. None Heard.
  2. Chair suggested weekly conference calls.
     1. Chair asked if there is any objection to the teleconference schedule in 674r5. Hearing none.
  3. Chair suggested 8 slots for September meeting.
     1. Chair asked if there is any objection to the slot request in 674r5. None heard.
  4. Chair reviewed timeline in 11/285.
     1. Aim to go for letter ballot at end of September meeting.
     2. Chair asked if there is any objection to keep September as the goal. None heard.

1. **Motion: Move to adopt the Comment Resolutions in 11-13/0915r0 with the following tabs:**

**Submission 13-901**

**Submission 13-766r2**

**Submission 13-905r2**

**Move: Ron Seconded: Minyoung**

**Discussions: NONE**

**Motion PASSES by unanimous consent.**

1. **Motion: Move to adopt the Comment Resolutions in 11-13/0904r0 with the following tabs:**

**Submission 13-831**

**Submission 13-830**

**Submission 13-827**

**Submission 13-811**

**Submission 13-810**

**Submission 13-809**

**Submission 13-808**

**Submission 13-785**

**Submission 13-784**

**Submission 13-783**

**Submission 13-781**

**Submission 13-774**

**Submission 13-716**

**Move: Simone Seconded: Minyoung**

**Discussions: none**

**Motion PASSES by unanimous consent.**

1. **Motion: Move to adopt the Comment Resolutions in 11-13/0911r0 with the following tabs:**

**Submission 13-825**

**Submission 13-824**

**Submission 13-823**

**Submission 13-822**

**Submission 13-821**

**Submission 13-820**

**Submission 13-818**

**Submission 13-817**

**Submission 13-816**

**Submission 13-815**

**Submission 13-814**

**Submission 13-812 with the following change: Resolution under CID 17 to call out CID 17 instead of 19.**

**Move: Simone Seconded: Minyoung**

**Discussions: There was some clarification on the changes in CID 17.**

**Motion PASSES by unanimous consent.**

1. **Chair calls for recess of 10 minutes to prepare for subsequent motion.**
2. **Motion: Move to adopt the Comment Resolutions in 11-13/0920r0 with the following tabs:**

**Submission 13-832**

**Submission 13-813**

**Submission 13-848**

**Submission 13-839**

**Submission 13-851**

**Submission 13-857**

**Submission 13-793**

**Move: Simone Seconded: Ron**

**Discussions: NONE.**

**Motion PASSES by unanimous consent.**

1. **The agenda was updated (674r6).**
2. **MAC submissions**
   1. **Comment Collection 09 MAC CIDs (Comment Resolutions for CC09) (11/13-0888r2 Haiguang Wang (I2R))**
      1. Addressing CIDs 257, 258, 988. Continued from AM2 session.
      2. Discussions: Alfred asked about ‘other information’.

* 1. **Motion: Move to adopt the Comment Resolutions in 11-13/0888r2 with the following changes: remove ‘or other information’ from the paragraph on Page 3 under the heading CID 257.**

**Move: Simone Seconded: Haiguang Wang**

**Discussions: none.**

**Motion PASSES**

* 1. **Comment Collection 09 MAC CIDs (Comment Resolutions for CC09) (11/13-0887r2 Haiguang Wang (I2R))**
     1. Addressing CIDs 36, 38, 39, 40, 63, 968.
     2. Discussions: none.
  2. **Motion: Move to adopt the Comment Resolutions in 11-13/0887r2.**

**Move: Haiguang Seconded: Simone**

**Discussions:none.**

**Motion PASSES by unanimous consent.**

* 1. **Motion: Move to instruct the Editor to generate D0.2 of the draft based on motions passed in TGah at the Geneva face-to-face meeting.**

**Move: Simone Seconded: Haiguang**

**Discussions: There was a clarification on the baseline draft used for the outstanding comments.**

**Motion PASSES by unanimous consent.**

* 1. **Comment Collection 09 MAC CIDs (Comment Resolutions for CC09) (11/13-0889r0 Haiguang Wang (I2R))**
     1. Addressing CID 93.
     2. Discussions: none.
  2. **Motion: Move to adopt the Comment Resolutions in 11-13/0889r0.**

**Move: Haiguang Seconded: Simone**

**Discussions: none.**

**Motion PASSES by unanimous consent.**

* 1. **Motion: Move to amend the Draft 0.1 as described in document 11-13/0898r0?**

**Move: Alfred Seconded: Simone**

**Discussions: none.**

**Motion PASSES by unanimous consent.**

* 1. **Comment Collection 09 MAC CIDs (Comment Resolutions for CC09) (11/13-0891r2 Kaiying (ZTE))**
     1. Addressing CID 749, 750, 751, 981, 982, 983, 984, 261, 262, 263.
     2. Discussions: none.
  2. **Motion was deferred as time was running out.**

1. **The group was adjourned for the week at 15:34PM local time.**

**References**[Approval of minutes]

* 11-13/622r1 May 2013 F2F TGah meeting minutes
* 11-13/707r1 June 19th Tgah teleconference minutes
* 11-13/763r1 July 10th Tgah teleconference minutes

[PHY submissions]

* 11-13/0842r4 July PHY adhoc agenda and report

[MAC submissions]

* 11-13/0797r7 TGah MAC Ad Hoc Agenda – July 2013

[Other]

* [11-13/674r5 July 2013 Agenda](https://mentor.ieee.org/802.11/dcn/12/11-12-0879-10-00ah-tgah-july-2012-agenda.pptx)
* 11-[13/923r0 TGah July 2013 Closing Report](https://mentor.ieee.org/802.11/dcn/12/11-12-0968-00-00ah-july-2012-closing-report.pptx)